

Wireless Innovation Forum Announces New Specifications for Public Use

IDL Profiles for Platform-Independent Modeling of SDR Applications, Certification Test Requirements for Conformance with the Standard Spectrum Resource Format (SSRF) and Certification Test Plan SSRF Conformance for OpenSSRF Software v3.1.0 now available in Forum's online Knowledge Center



For Immediate Release

Washington, DC, 3 March 2015 – The Wireless Innovation Forum (www.WirelessInnovation.org) has announced today the availability of three new specifications in its online Knowledge Center (<http://groups.winnforum.org/Specifications>). **IDL Profiles for Platform-Independent Modeling of SDR Applications and Certification Test Requirements** was produced by a working group of the Forum's Coordinating Committee on International SCA Standards. The **Certification Test Requirements for Conformance with the Standard Spectrum Resource Format (SSRF) and Certification Test Plan SSRF Conformance for OpenSSRF Software v3.1.0** were projects within the Forum's Committee on Spectrum Innovation. All specifications were approved by the Forum's membership comprised of organizations spanning the wireless radio value chain.

"These work products enhance and simplify the operations of companies who develop essential and mission critical communication systems," said WInnForum Chair Bruce Oberlies of Motorola (NYSE: MSI). "The IDL profiles specification harmonizes two publicly available specifications allowing radio developers to focus on one specification and the SSRF specifications defines the methods to certify conformance with the SSRF eliminating the need for companies to develop their own."

IDL Profiles for Platform-Independent Modeling of SDR Applications (<http://groups.winnforum.org/d/do/7967>) is an update of a previous version and addresses specification of IDL Profiles setting designers' possibility for specification of application-specific interfaces of SDR Applications Components in a PIM (Platform Independent Model) way. It has been elaborated by the Wireless Innovation Forum as a contribution to SCA 4.1 (<http://groups.winnforum.org/d/do/7956>) development, and aims at providing a standard solution for the broadest range of actors of the SDR ecosystem. It defines one "Full" and one "Ultra-Lightweight"/"ULw" IDL Profiles, that set the range of possible IDL declarations attached to specification of PIM interfaces. This specification is a solution that took into account and harmonized two publicly available specifications: the ESSOR Architecture Common IDL Profile for DSP and FPGA and the SCA 4.0.1 CORBA ULw CORBA PSM.

Certification Test Requirements for Conformance with the Standard Spectrum Resource Format (SSRF) (<http://groups.winnforum.org/d/do/7968>) defines a set of standardized data elements for automated exchange of radio-frequency (RF) spectrum-related data. SSRF is managed under the authority of DOD Directive 5100.35, and the Military Command, Control, Communications, and Computers Executive Board (MC4EB). The SSRF specification is in the public domain and is royalty-free and license-free. Forum members also approved the supporting **Certification Test Plan SSRF Conformance for OpenSSRF Software v3.1.0** (<http://groups.winnforum.org/d/do/7969>), which was written to conform with, and to produce results compatible with, the Standard Spectrum Resource Format (SSRF) Certification Test Requirements document.

Supported by sponsors [Selex ES](#), [Motorola Solutions](#), and [Thales](#), the Wireless Innovation Forum provides a singular venue to **advance** software defined radio, cognitive radio and dynamic spectrum access technologies, to **educate** and influence decision makers at all levels of the wireless value chain, and to **drive changes** that will address emerging wireless communications. The Forum enables professionals to network with the leaders in the advanced wireless community, including potential customers to explore new business opportunities, potential competitors to gain insight into product and service differentiation, and potential suppliers to influence their requirements and thus reduce overall R&D costs. Additional information can be found at <http://www.WirelessInnovation.org>.

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About the Wireless Innovation Forum

Established in 1996, the Wireless Innovation Forum™ is a non-profit “mutual benefit corporation” dedicated to advocating for the innovative use of spectrum, and advancing radio technologies that support essential or critical communications worldwide. Forum members bring a broad base of experience in Software Defined Radio (SDR), Cognitive Radio(CR) and Dynamic Spectrum Access (DSA) technologies in diverse markets and at all levels of the wireless value chain to address emerging wireless communications requirements through enhanced value, reduced total life cost of ownership, and accelerated deployment of standardized families of products, technologies, and services. The Forum acts as the premier venue for its members to collaborate to achieve these objectives, providing opportunities to network with customers, partners and competitors, educate decision makers, develop and expand markets and advance relevant technologies. To learn more about The Wireless Innovation Forum, its meetings and membership benefits, visit www.WirelessInnovation.org.

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